

## AMENDMENTS TO THE SPECIFICATION

Please replace paragraph 15 with the following amended paragraph:

[0015] The present invention and its advantages will be better understood by referring to the following detailed description and the attached drawings in which:

**Figure 1a** illustrates a series of vibrator sweeps and listen times;

**Figure 1b** illustrates the superposition of the sweeps and listen times of Figure 1a to represent a cascaded sweep sequence;

**Figure 1c** illustrates a modified cascaded sweep data sequence from the data of Figure 1b;

**Figure 1d** illustrates a cascaded sweep data sequence after noise has been removed;

**Figure 2** illustrates a flowchart of the present invention;

**Figure 3** illustrates data from a sweep sequence showing an original sweep sequence panel, a panel showing data with noise removed according to the method of the present invention, and the difference of the original and data panel after noise removal;

**Figure 4** illustrates data from a sweep sequence showing an original sweep sequence panel, a panel showing data after noise removal according to the method of the present invention, and the difference of the original and data panel after noise removal.

**Figure 5** is a flowchart of a denoising process as applied to a modified cascaded sweep data sequence.

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